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(54) **Elemental chlorine-free conversion of waste HCl liquor by oxidation and concentration to form aqueous ferric chloride solution**

(57) A process for treating waste HCl pickle liquor by oxidation to form aqueous ferric chloride (FeCl_3) without using chlorine gas. In accordance with the process, heavy metals and other impurities are removed from the waste HCl pickle liquor, as desired. The ferrous chloride-

containing solution is oxidized in the presence of a stoichiometric amount of HCl to form aqueous ferric chloride solution. The resulting solution, which is relatively dilute, preferably is concentrated, typically by evaporation. Ferric chloride solution is useful, for example, for water treatment.

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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 22 June 2001	Examiner Besana, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EUROPEAN SEARCH REPORT

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